

Wire Installation Status



Ryan A. Grosso

(on behalf of assembly team)

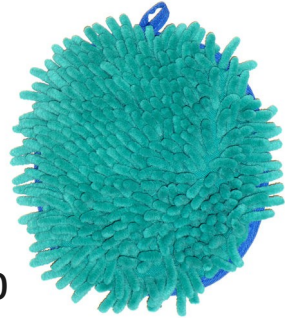
Collaboration
Meeting

May 10th, 2013

Preparing The Tent & TPC

- Tent Cleaned
- TPC Cleaned with Alcohol

* Special Thanks Bern Group

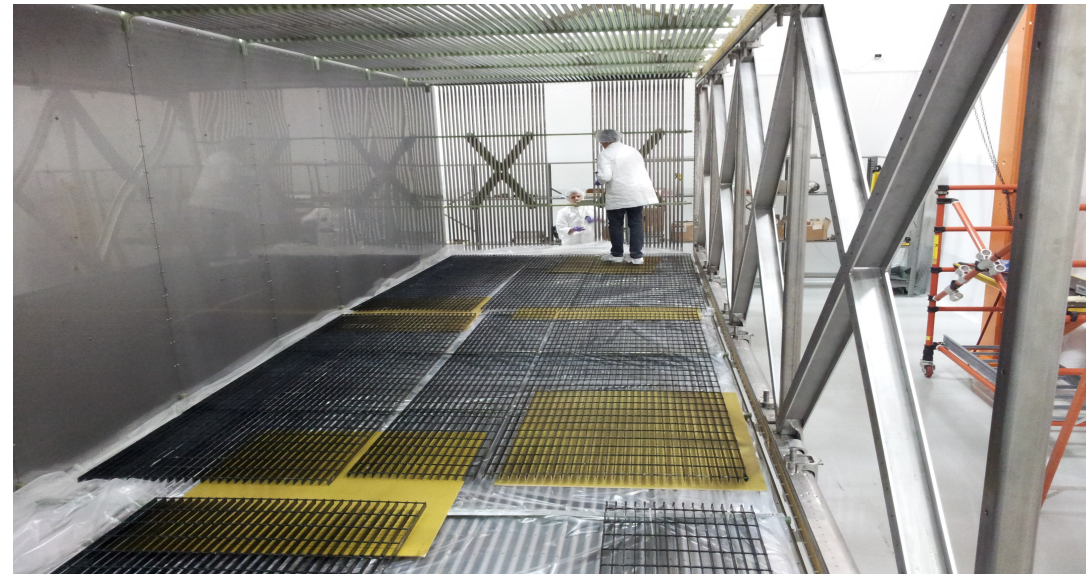


Power Washing
Floor Grates



TPC Floor

- Plastic over field cage tubes
- Lay down floor grating
- Secure flooring with Zip Ties



Install Spacer Boards



Vertical Spacer Boards

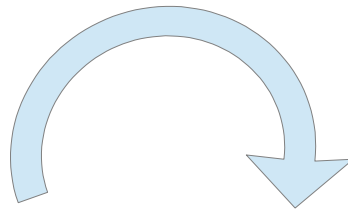


Vertical Spacer Boards

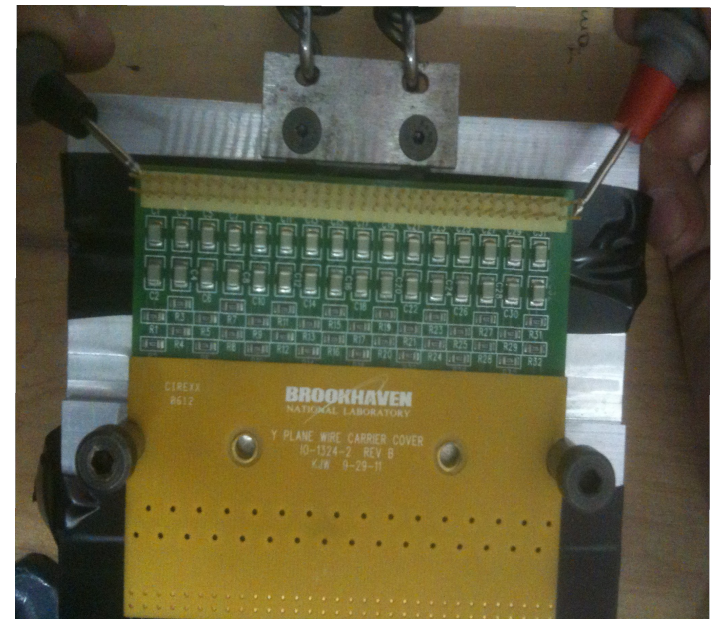


Leakage Check

Leakage Current Test Stand



- Test each channel individually
- Place a bias of 400 V across each capacitor channel
- Look for current leakage across capacitors to be less than 0.2 microAmps



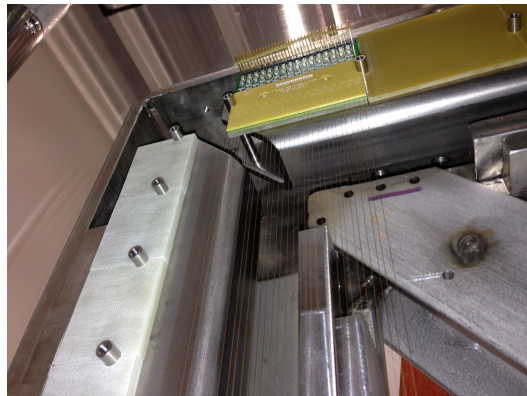
Y Plane



Delivered into TPC



Trade off boards



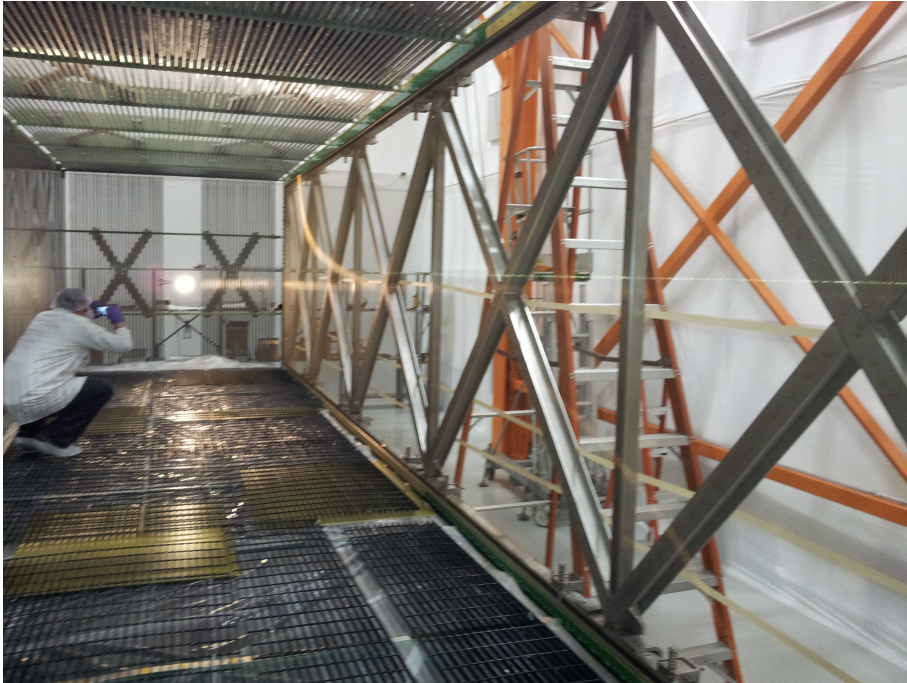
Install top horizontal



Install bottom horizontal



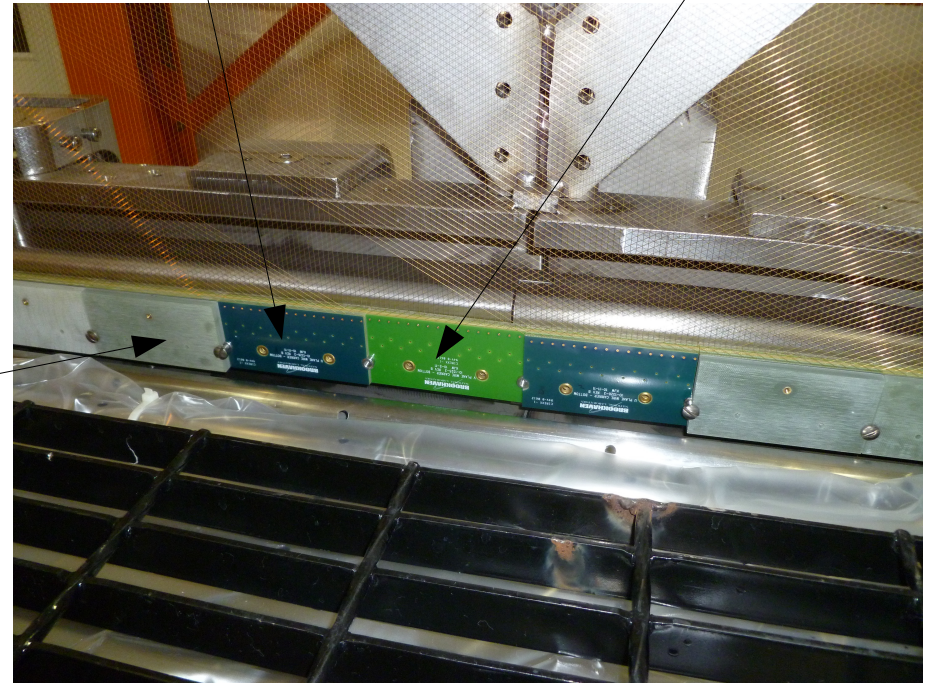
U & V Planes



Similar installation procedure

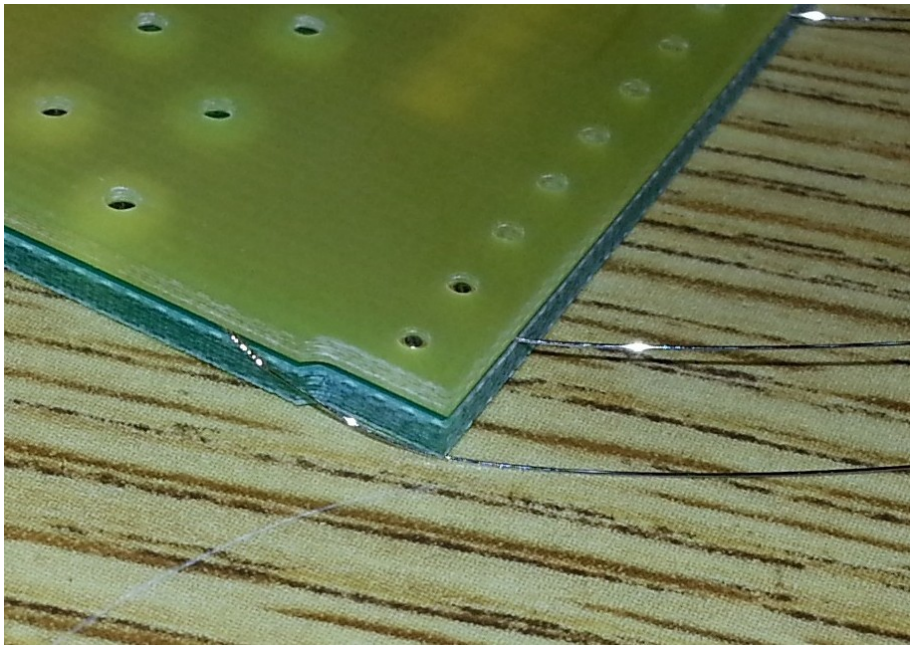
U plane

V plane



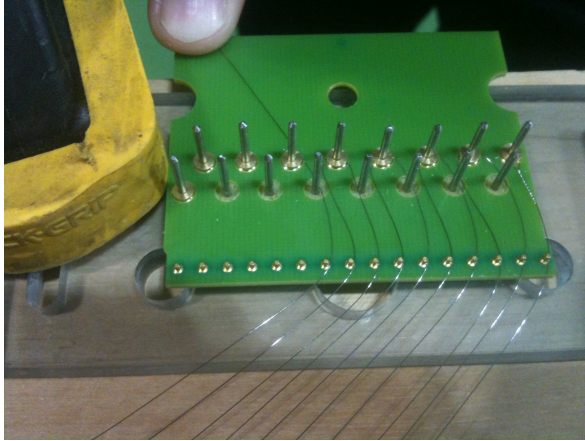
Cover Plates

Continuity and Installation Check

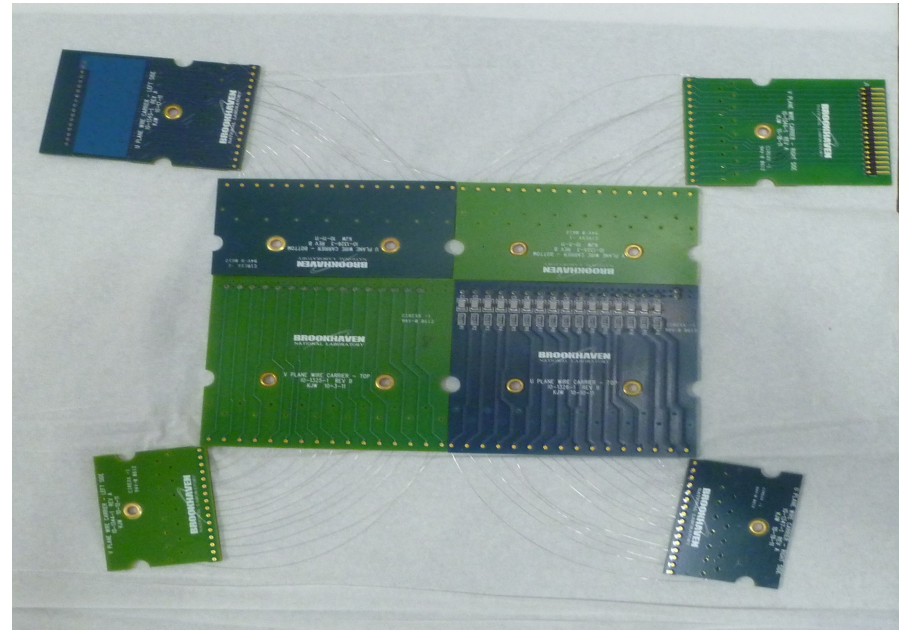
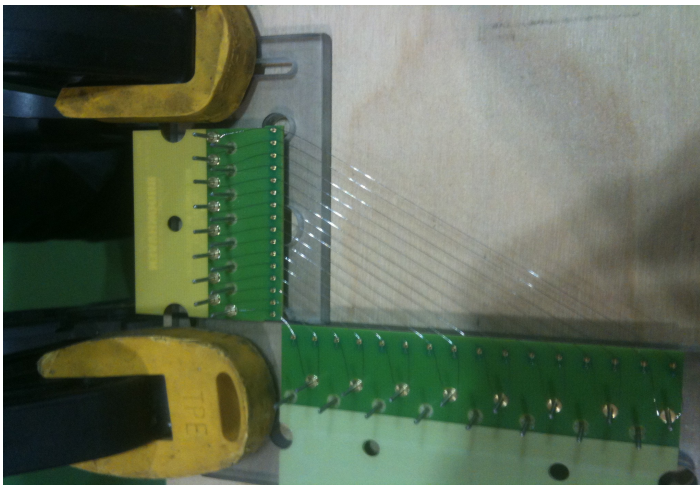


- Check for electrical contact between wires and boards
- Look for deviations between wires
- Make sure no wires are out of place

Corner Boards

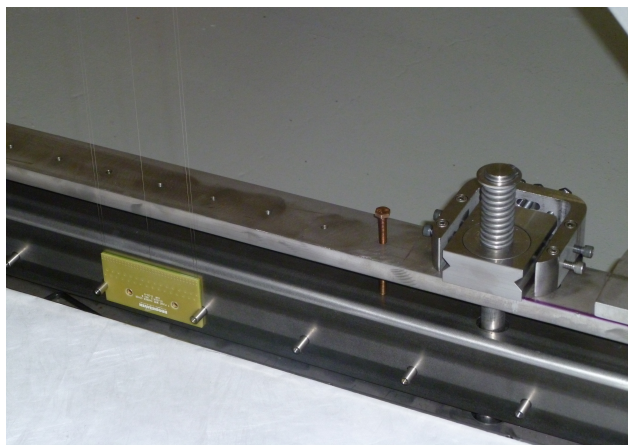


- Continuously wrapped
- SS wires not gold flashed

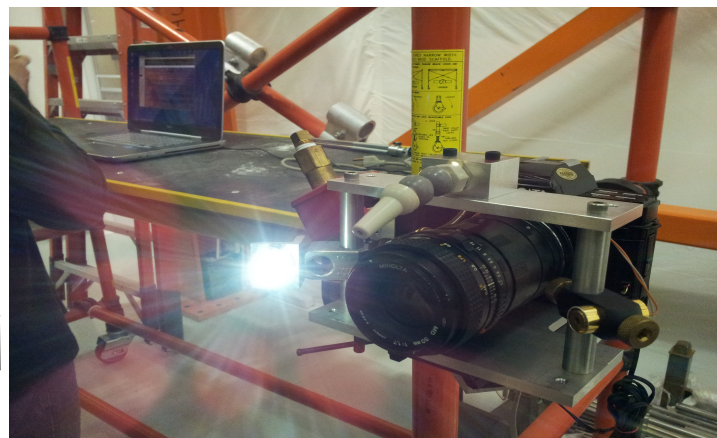
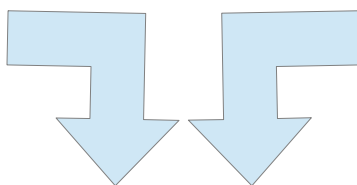


All wires installed! Completed on 5/1/13

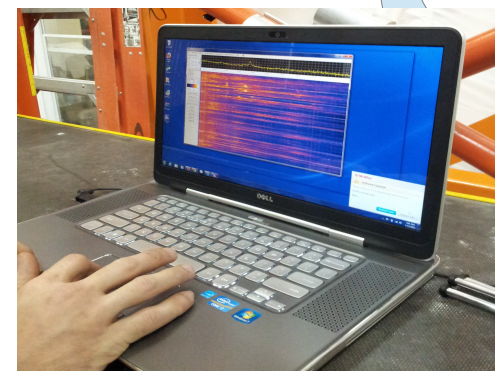
Tension & Alignment



Fine Adjustment

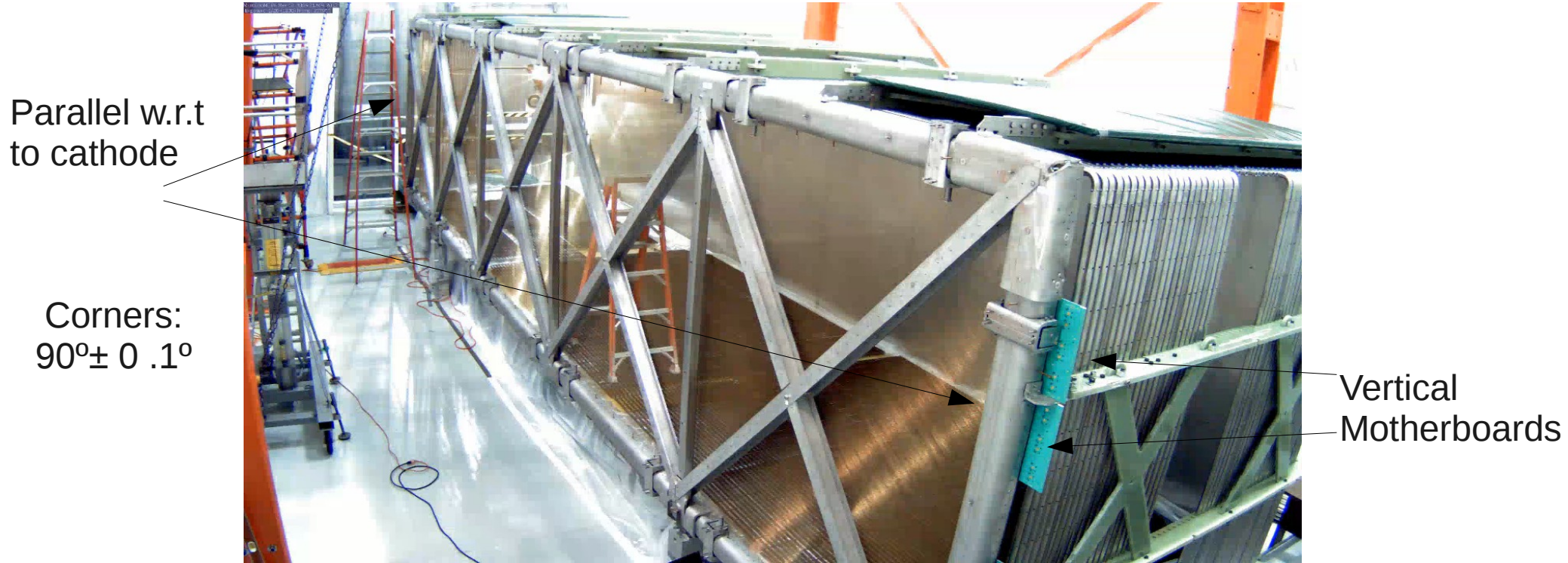


Tension Measurement



- Currently in process!
- Working with FNAL Alignment
- Might take some time(~1-2 weeks)

Alignment Yesterday



- Worked with FNAL Alignment
- Fixed the positions of the vertical tension bars
- Shooting for 0.5mm tolerance in position of x , y , z
- Next steps
 - Align the top horizontal bar
 - Tension the wires

Thanks Wire Team!

Jen, Jonathan, Christoph,
Thomas, Roberto, Andrzej, Antonio,
David, Sowjanya, Jason, Bryce,
Sarah, Sam, Bonnie

